CLAIMS

1. A compound of formula (I) or a salt thereof:

wherein Ar has the sub-formula (x) or (z):

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and wherein:

 R^1 is C_{1-3} alkyl, C_{1-3} fluoroalkyl, or -CH₂CH₂OH;

15 R^2 is a hydrogen atom (H), methyl or C_1 fluoroalkyl;

R³ is optionally substituted C₃₋₈cycloalkyl or optionally substituted mono-unsaturated-C₅₋₇cycloalkenyl or an optionally substituted heterocyclic group of sub-formula (aa), (bb) or (cc);

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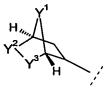
in which n^1 and n^2 independently are 1 or 2; and in which Y is O, S, SO₂, or NR¹⁰; where R¹⁰ is a hydrogen atom (H), C₁₋₂alkyl, C₁₋₂fluoroalkyl, C(O)NH₂, C(O)-C₁₋₂alkyl, C(O)-C₁fluoroalkyl or -C(O)-CH₂O-C₁alkyl;

and wherein in R³ the C₃₋₈cycloalkyl or the heterocyclic group of sub-formula (aa), (bb)

or (cc) is optionally substituted on a ring carbon with one or two substituents independently being oxo (=0); OH; C_{1-2} alkoxy; C_{1-2} fluoroalkoxy; NHR²¹ wherein R²¹ is a hydrogen atom (H) or C_{1-4} straight-chain alkyl; C_{1-2} alkyl; C_{1-2} fluoroalkyl;

is a hydrogen atom (H) or C₁₋₄ straight-chain alkyl; C₁₋₂alkyl; C₁₋₂fluoroalkyl; -CH₂OH; -CH₂OH; -CH₂NHR²² wherein R²² is H or C₁alkyl; -C(O)OR²³ wherein R²³ is H; -C(O)NHR²⁴ wherein R²⁴ is H or C₁alkyl; -C(O)R²⁵ wherein R²⁵ is C₁₋₂alkyl; fluoro; hydroxyimino (=N-OH); or (C₁₋₄alkoxy)imino (=N-OR²⁶ where R²⁶ is C₁₋₄alkyl); and wherein any OH, alkoxy, fluoroalkoxy or NHR²¹ substituent is not substituted at the R³ ring carbon attached (bonded) to the -NH- group of formula (I) and is not substituted at either R³ ring carbon bonded to the Y group of the heterocyclic group (aa), (bb) or (cc);

and wherein, when R^3 is optionally substituted mono-unsaturated- C_{5-7} cycloalkenyl, then the cycloalkenyl is optionally substituted with one substituent being fluoro or C_{1-2} alkyl or two substituents independently being fluoro or methyl, and the R^3 ring carbon bonded to the -NH- group of formula (I) does not partake in the cycloalkenyl double bond;



or R^3 is a bicyclic group of sub-formula (ee): (ee) wherein Y^1 , Y^2 and Y^3 independently are CH_2 or oxygen (O) provided that no more than one of Y^1 , Y^2 and Y^3 is oxygen (O);

and wherein:

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- R⁴ is a hydrogen atom (H), methyl, ethyl, n-propyl, isopropyl, C₁₋₂fluoroalkyl, cyclopropyl, -CH₂OR^{4a}, -CH(Me)OR^{4a}, or -CH₂CH₂OR^{4a}; wherein R^{4a} is a hydrogen atom (H), methyl (Me), or C₁fluoroalkyl; and
- 30 R⁵ is a hydrogen atom (H); C₁₋₈alkyl; C₁₋₃fluoroalkyl; C₃₋₈cycloalkyl optionally substituted by a C₁₋₂alkyl group; or -(CH₂) $_n$ ⁴-C₃₋₈cycloalkyl optionally substituted, in the -(CH₂) $_n$ ⁴- moiety or in the C₃₋₈cycloalkyl moiety, by a C₁₋₂alkyl group, wherein n⁴ is 1 or 2;

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or R^5 is C_{1-4} alkyl substituted by one substituent R^{11} ; wherein R^{11} is: hydroxy (OH); C_{1-6} alkoxy; C_{1-2} fluoroalkoxy; phenyloxy; (monofluoro- or difluoro-phenyl)oxy; (monomethyl- or dimethyl-phenyl)oxy; benzyloxy; -NR¹²R¹³; -NR¹⁵-C(O)R¹⁶; -NR¹⁵-C(O)-NH-R¹⁵; or -NR¹⁵-S(O)₂R¹⁶;

or R^5 is C_{2-4} alkyl substituted on different carbon atoms by two hydroxy (OH) substituents;

or R^5 is $-(CH_2)_n^{11}$ - $C(O)R^{16}$; $-(CH_2)_n^{11}$ - $C(O)NR^{12}R^{13}$; $-CHR^{19}$ - $C(O)NR^{12}R^{13}$; $-(CH_2)_n^{11}$ - $C(O)OR^{16}$; $-(CH_2)_n^{11}$ -C(O)OH; $-(CH_2)_n^{11}$ - $C(O)OH^{10}$; $-(CH_2)_n^{11}$ - $C(O)OH^{10}$; $-(CH_2)_n^{11}$ - $C(O)OH^{10}$; $-(CH_2)_n^{11}$ - $C(O)OH^{10}$; or $-(CH_2)_n^{11}$ - $C(O)OH^{11}$ is 0, 1, 2 or 3 (wherein for each R^5 group n^{11} is independent of the value of n^{11} in other R^5 groups); and wherein R^{19} is C_{1-2} alkyl;

- or R⁵ is -(CH₂)_n¹³-Het, wherein n¹³ is 0, 1 or 2 and Het is a 4-, 5-, 6- or 7-membered saturated or unsaturated heterocyclic ring, other than -NR¹²R¹³, containing one or two ring-hetero-atoms independently selected from O, S, and N; wherein any ring-hetero-atoms present are not bound to the -(CH₂)_n¹³- moiety when n¹³ is 0; wherein any ring-nitrogens which are present and which are not unsaturated (i.e. which do not partake in a double bond) and which are not connecting nitrogens (i.e. which are not nitrogens bound to the -(CH₂)_n¹³- moiety or to the carbon atom to which R⁵ is attached) are present as NR¹⁷; and wherein one or two of the carbon ring-atoms are independently optionally substituted by C₁₋₂alkyl;
- or R⁵ is phenyl (Ph), -CH₂-Ph, -CHMe-Ph, -CHEt-Ph, CMe₂Ph, or -CH₂CH₂-Ph, wherein the phenyl ring Ph is optionally substituted with one or two substituents independently being: a halogen atom; C₁₋₄alkyl; C₁₋₂fluoroalkyl; C₁₋₄alkoxy; C₁₋₂fluoroalkoxy; cyclopropyl; cyclopropyloxy; -C(O)-C₁₋₄alkyl; -C(O)OH; -C(O)-OC₁₋₄alkyl; C₁₋₄alkyl-S(O)₂-; C₁₋₄alkyl-S(O)₂-NR^{8a}-; R^{7a}R^{8a}N-S(O)₂-; R^{7a}R^{8a}N-C(O)-; -NR^{8a}-C(O)-C₁₋₄alkyl; R^{7a}R^{8a}N; OH; nitro (-NO₂); or cyano (-CN);

or R^4 and R^5 taken together are $-(CH_2)_p^1$ or $-(CH_2)_p^3$ - X^5 - $(CH_2)_p^4$ -, in which: X^5 is O or NR^{17a} ; $p^1 = 2$, 3, 4, 5 or 6, and p^3 and p^4 independently are 1, 2 or 3 provided that if p^3 is 3 then p^4 is 1 or 2 and if p^4 is 3 then p^3 is 1 or 2;

provided that at least one of R⁴ and R⁵ is not a hydrogen atom (H);

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and wherein, in sub-formula (x):
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A is C-R<sup>6A</sup>, nitrogen (N) or nitrogen-oxide (N<sup>+</sup>-O<sup>-</sup>),
B is C-R<sup>6B</sup>, nitrogen (N) or nitrogen-oxide (N<sup>+</sup>-O<sup>-</sup>),
D is C-R<sup>6D</sup>, nitrogen (N) or nitrogen-oxide (N<sup>+</sup>-O<sup>-</sup>),
E is C-R<sup>6E</sup>, nitrogen (N) or nitrogen-oxide (N<sup>+</sup>-O<sup>-</sup>),
F is C-R<sup>6F</sup>, nitrogen (N) or nitrogen-oxide (N<sup>+</sup>-O<sup>-</sup>),
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wherein, R^{6A}, R^{6B}, R^{6D}, R^{6E} and R^{6F} independently are: a hydrogen atom (H), a halogen atom; C₁₋₆alkyl; C₁₋₄fluoroalkyl; C₃₋₆cycloalkyl; C₁₋₄alkoxy; C₁₋₂fluoroalkoxy; C₃₋₆cycloalkyloxy; -C(O)R^{16a}; -C(O)OR³⁰; -S(O)₂-R^{16a}; R^{16a}-S(O)₂-NR^{15a}-; R⁷R⁸N-S(O)₂-; C₁₋₂alkyl-C(O)-R^{15a}N-S(O)₂-; C₁₋₄alkyl-S(O)-, Ph-S(O)-, R⁷R⁸N-CO-; -NR^{15a}-C(O)R^{16a}; R⁷R⁸N; nitro (-NO₂); OH (including any tautomer thereof); C₁₋₄alkoxymethyl; C₁₋₄alkoxyethyl; C₁₋₂alkyl-S(O)₂-CH₂-; R⁷R⁸N-S(O)₂-CH₂-; C₁₋₂alkyl-S(O)₂-NR^{15a}-CH₂-; -CH₂-OH; -CH₂-CH₂-OH;

15 $R^7R^8N-S(O)_2-CH_2-$; C_{1-2} alkyl- $S(O)_2-NR^{15}a$ - CH_2- ; $-CH_2-OH$; $-CH_2-CH_2-OH$; $-CH_2-NR^7R^8$; $-CH_2-CH_2-NR^7R^8$; $-CH_2-C(O)OR^{30}$; $-CH_2-C(O)-NR^7R^8$; $-CH_2-NR^{15}a$ - $C(O)-C_{1-3}$ alkyl; $-(CH_2)_n^{14}-Het^1$ where n^{14} is 0 or 1; cyano (-CN); Ar^{5b} ; or phenyl, pyridinyl or pyrimidinyl wherein the phenyl, pyridinyl or pyrimidinyl independently are optionally substituted by one or two of fluoro, chloro, C_{1-2} alkyl,

20 C_1 fluoroalkyl, C_{1-2} alkoxy or C_1 fluoroalkoxy;

and/or two adjacent groups selected from R^{6A} , R^{6B} , R^{6D} , R^{6E} and R^{6F} are taken together and are: $-CH=CH-CH=CH-, -(CH_2)_n^{14a}$ where n^{14a} is 3, 4 or 5, $-O-(CMe_2)-O-, -O-(CH_2)_n^{14b}-O-$ where n^{14b} is 1 or 2; $-CH=CH-NR^{15b}$ -; $-N=CH-NR^{15b}$ -; $-N=N-NR^{15b}$ -; -CH=CH-O-; -N=CH-O-; -CH=CH-S-; or -N=CH-S-; wherein R^{15b} is H or $C_{1-2alkyl}$;

provided that:

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two or more of A, B, D, E and F are independently C-H (carbon-hydrogen), C-F (carbon-fluorine), nitrogen (N), or nitrogen-oxide (N⁺-O⁻);

and no more than two of A, B, D, E and F are independently nitrogen or nitrogen-oxide (N⁺-O⁻),

and no more than one of A, B, D, E and F is nitrogen-oxide (N^+-O^-) ;

and wherein, in sub-formula (z):

G is O or S or NR⁹ wherein R⁹ is a hydrogen atom (H), C_{1-4} alkyl, or C_{1-2} fluoroalkyl; J is C-R^{6J}, C-[connection point to formula (I)], or nitrogen (N),

L is C-R^{6L}, C-[connection point to formula (I)], or nitrogen (N), M is C-R^{6M}, C-[connection point to formula (I)], or nitrogen (N), Q is C-R^{6Q}, C-[connection point to formula (I)], or nitrogen (N),

wherein, R^{6J}, R^{6L}, R^{6M} and R^{6Q} independently are: a hydrogen atom (H), a halogen atom; C₁₋₄alkyl; C₁₋₃fluoroalkyl; C₃₋₆cycloalkyl; C₁₋₄alkoxy; C₁₋₂fluoroalkoxy; C₃₋₆cycloalkyloxy; OH (including any tautomer thereof); or phenyl optionally substituted by one or two substituents independently being fluoro, chloro, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy;

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provided that:

two or more of J, L, M and Q are independently C-H, C-F, C-C₁₋₂alkyl, C-[connection point to formula (I)], or nitrogen (N); and no more than three of J, L, M and Q are nitrogen (N);

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and wherein:

R⁷ and R⁸ are independently a hydrogen atom (H); C₁₋₄alkyl; C₃₋₆cycloalkyl; or phenyl optionally substituted by one or two substituents independently being: fluoro, chloro, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy;

or R⁷ and R⁸ together are -(CH₂)_n⁶- or -C(O)-(CH₂)_n⁷- or -C(O)-(CH₂)_n¹⁰-C(O)- or -(CH₂)_n⁸-X⁷-(CH₂)_n⁹- or -C(O)-X⁷-(CH₂)_n¹⁰- in which: n⁶ is 3, 4, 5 or 6, n⁷ is 2, 3, 4, or 5, n⁸ and n⁹ and n¹⁰ independently are 2 or 3, and X⁷ is O or NR¹⁴;

 R^{7a} is a hydrogen atom (H) or C_{1-4} alkyl;

R^{8a} is a hydrogen atom (H) or methyl;

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- R^{12} and R^{13} independently are H; C_{1-4} alkyl; C_{3-6} cycloalkyl; or phenyl optionally substituted by one or two substituents independently being: fluoro, chloro, C_{1-2} alkyl, C_{1} fluoroalkyl, C_{1-2} alkoxy or C_{1} fluoroalkoxy;
- or R^{12} and R^{13} together are $-(CH_2)_n^{6a}$ or $-C(O)-(CH_2)_n^{7a}$ or $-C(O)-(CH_2)_n^{10a}$. C(O)-or $-(CH_2)_n^{8a}$ and -C(O) or $-(CH_2)_n^{9a}$ or -C(O) and -C(O) in which: -C(O) in which: -C(O) is 2, 3, 4, or 5, -C(O) and -C(O) in which: -C(O) in which: -C(O) is -C(O) or -C(O) in -C(O) and -C(O) in which: -C(O) in -C(O) in which: -C(O) is -C(O) or -C(O) in -C(O) and -C(O) in which: -C(O) is -C(O) in -C(O) in which: -C(O) in -C(O) in -C(O) in -C(O) in which: -C(O) in -C

- R^{14} , R^{14a} , R^{17} and R^{17a} independently are: a hydrogen atom (H); C_{1-4} alkyl; C_{1-2} fluoroalkyl; cyclopropyl; $-C(O)-C_{1-4}$ alkyl; $-C(O)NR^{7a}R^{8a}$; or $-S(O)_2-C_{1-4}$ alkyl;
- R¹⁵, independent of other R¹⁵, is a hydrogen atom (H); C₁₋₄alkyl; C₃₋₆cycloalkyl; or phenyl optionally substituted by one or two of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy;
 - R^{15a}, independent of other R^{15a}, is a hydrogen atom (H) or C₁₋₄alkyl;
- 10 R¹⁶ is: C₁₋₄alkyl; C₃₋₆cycloalkyl; C₃₋₆cycloalkyl-CH₂-; or phenyl or benzyl, wherein the phenyl and benzyl are independently optionally substituted on their ring by one or two substituents independently being fluoro, chloro, methyl, C₁fluoroalkyl, methoxy or C₁fluoroalkoxy;
- 15 R16a is:
 - C₁₋₆alkyl;
 - C_{3-6} cycloalkyl optionally substituted by one oxo (=O), OH or C_{1-2} alkyl substituent; C_{3-6} cycloalkyl- CH_{2-} ;
- pyridinyl optionally substituted on a ring carbon atom by one of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy;

 Ar^{5c}:
 - phenyl optionally substituted by one or two substituents independently being: a halogen atom, C_{1-2} alkyl, C_{1} fluoroalkyl, C_{1-2} alkoxy or C_{1} fluoroalkoxy;
- benzyl optionally substituted on its ring by one or two substituents independently being: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy; or a 4-, 5-, 6- or 7-membered saturated heterocyclic ring connected at a ring-carbon and containing one or two ring-hetero-atoms independently selected from O, S, and N; wherein any ring-nitrogens which are present are present as NR²⁷ where R²⁷ is H, C₁₋₂alkyl or -C(O)Me; and wherein the ring is optionally substituted at carbon by one
- 30 C₁₋₂alkyl or oxo (=O) substituent, provided that any oxo (=O) substituent is substituted at a ring-carbon atom bonded to a ring-nitrogen;
 - R^{30} , independent of other R^{30} , is a hydrogen atom (H), C_{1-4} alkyl or C_{3-6} cycloalkyl;
- Ar^{5b} and Ar^{5c} independently is/are a 5-membered aromatic heterocyclic ring containing one O, S or NR^{15a} in the 5-membered ring, wherein the 5-membered ring can optionally additionally contain one or two N atoms, and wherein the heterocyclic ring is optionally substituted on a ring carbon atom by one of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, -CH₂OH, -CH₂-OC₁₋₂alkyl, OH (including the keto tautomer thereof) or
- 40 -CH₂-NR²⁸R²⁹ wherein R²⁸ and R²⁹ independently are H or methyl; and

Het¹, is a 4-, 5-, 6- or 7-membered saturated heterocyclic ring connected at a ring-carbon and containing one or two ring-hetero-atoms independently selected from O, S, and N; wherein any ring-nitrogens which are present are present as NR^{31} where R^{31} is H, C_{1-2} alkyl or -C(O)Me; and wherein the ring is optionally substituted at carbon by one C_{1-2} alkyl or oxo (=O) substituent, provided that any oxo (=O) substituent is substituted at a ring-carbon atom bonded to a ring-nitrogen;

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when R^3 is the heterocyclic group of sub-formula (bb), n^1 is 1, and Y is NR^{10} , then R^{10} is not C_{1-2} alkyl or C_{1-2} fluoroalkyl; and when R^3 is the heterocyclic group of sub-formula (aa) and Y is NR^{10} , then R^{10} is not C(O)- C_{1-2} alkyl, C(O)- C_{1} fluoroalkyl or -C(O)- C_{1} alkyl; and when R^3 is the heterocyclic group of sub-formula (cc), then Y is O, S, SO_2 or NR^{10} wherein R^{10} is H;

and provided that:

when R³ is optionally substituted C₃₋₈cycloalkyl or optionally substituted

C₅₋₇cycloalkenyl, then any -C(O)OR²³, -C(O)NHR²⁴, -C(O)R²⁵, -CH₂OH or fluoro substituent is: at the 3-position of a R³ cyclobutyl ring; or at the 3- or 4- position of a R³ C₅cycloalkyl (cyclopentyl) or cyclopentenyl ring; or at the 4-position of a R³ C₆cycloalkyl (cyclohexyl) or cyclohexenyl ring; or at the 3-, 4-, 5- or 6- position of a R³ cycloheptyl or cycloheptenyl ring, or at the 3-, 4-, 5-, 6- or 7- position of a R³ cycloactyl ring (wherein, in this connection, the 1-position of the R³ cycloalkyl or cycloalkenyl ring is deemed to be the connection point to the -NH- in formula (I), that is the ring atom connecting to the -NH- in formula (I);

and provided that:

when R³ is optionally substituted C₃₋₈cycloalkyl, then any OH, alkoxy, fluoroalkoxy,
-CH₂CH₂OH or -CH₂NHR²² substituent is: at the 3-position of a R³ cyclobutyl ring; or
at the 3- or 4- position of a R³ C₅cycloalkyl (cyclopentyl) ring; or at the 3-, 4- or 5position of a R³ C₆cycloalkyl (cyclohexyl) ring; or at the 3-, 4-, 5- or 6- position of a R³
cycloheptyl ring, or at the 3-, 4-, 5-, 6- or 7- position of a R³ cycloactyl ring; and

when R^3 is the heterocyclic group of sub-formula (aa), (bb) or (cc), then any OH substituent is: at the 5-position of a six-membered R^3 heterocyclic group of sub-formula (cc) wherein n^2 is 1; or at the 5- or 6- position of a seven-membered R^3 heterocyclic group of sub-formula (cc) wherein n^2 is 2; or at the 6- position of a seven-membered R^3

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heterocyclic group of sub-formula (bb) wherein n^1 is 2 (wherein, in this connection, the 1-position of the R^3 heterocyclic ring is deemed to be the connection point to the -NH- in formula (I), that is the ring atom connecting to the -NH- in formula (I), and the remaining positions of the ring are then numbered so that the ring heteroatom takes the lowest possible number).

- 2. A compound or salt as claimed in claim 1, wherein \mathbb{R}^1 is ethyl, n-propyl or -CH₂CH₂OH.
- 3. A compound or salt as claimed in claim 2, wherein R¹ is ethyl.

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- 4. A compound or salt as claimed in claim 1, 2 or 3, wherein \mathbb{R}^2 is a hydrogen atom (H) or methyl.
- 5. A compound or salt as claimed in claim 4, wherein R² is a hydrogen atom (H).
- 6. A compound or salt as claimed in any preceding claim, wherein in R³ there is one substituent or no substituent.
- 7. A compound or salt as claimed in any preceding claim, wherein \mathbb{R}^3 is the optionally substituted \mathbb{C}_{3-8} cycloalkyl or the optionally substituted heterocyclic group of sub-formula (aa), (bb) or (cc).
- 25 8. A compound or salt as claimed in any preceding claim, wherein, when R³ is optionally substituted C₃₋₈cycloalkyl, it is optionally substituted C₆₋₇cycloalkyl or optionally substituted cyclobutyl.
- 9. A compound or salt as claimed in any preceding claim, wherein, when R³ is optionally substituted C₃₋₈cycloalkyl, then R³ is C₃₋₈cycloalkyl optionally substituted with one or two substituents independently being oxo (=O); OH; C₁alkoxy; C₁fluoroalkoxy; NHR²¹ wherein R²¹ is a hydrogen atom (H); C₁₋₂alkyl; C₁fluoroalkyl; -CH₂OH; -CH₂NHR²² wherein R²² is H; -C(O)OR²³ wherein R²³ is H; -C(O)NHR²⁴ wherein R²⁴ is H or methyl; -C(O)R²⁵ wherein R²⁵ is methyl; fluoro; hydroxyimino (=N-OH); or =N-OR²⁶ where R²⁶ is C₁₋₂alkyl; and wherein any OH, alkoxy, fluoroalkoxy or NHR²¹ substituent is not substituted at the R³ ring carbon attached (bonded) to the -NH- group of formula (I) and is not substituted at either R³ ring carbon bonded to the Y group of the heterocyclic group (aa), (bb) or (cc).

- 10. A compound or salt as claimed in claim 9, wherein, when R^3 is optionally substituted C_{3-8} cycloalkyl, then R^3 is C_{3-8} cycloalkyl optionally substituted with one or two substituents independently being oxo (=0); OH; NHR²¹ wherein R^{21} is a hydrogen atom (H); methyl; -CH₂F; -CHF₂; -C(O)OR²³ wherein R^{23} is H; -C(O)NHR²⁴ wherein R^{24} is H; fluoro; hydroxyimino (=N-OH); or methoxyimino (=N-OR²⁶ where R^{26} is methyl).
- 11. A compound or salt as claimed in any claim 10, wherein, when R³ is optionally substituted C₃₋₈cycloalkyl, then R³ is C₃₋₈cycloalkyl optionally substituted with one substituent being OH; -C(O)NHR²⁴ wherein R²⁴ is H; oxo (=O) or hydroxyimino (=N-OH).
- 12. A compound or salt as claimed in any preceding claim, wherein, R³ is not substituted (other than optionally by alkyl or fluoroalkyl) at the ring atom connecting to the -NH- in formula (I), and R³ is not substituted (other than optionally by alkyl, fluoroalkyl or NHR²¹) at the two ring atoms either side of (bonded to) the connecting atom.
- 13. A compound or salt as claimed in any preceding claim, wherein, for R³, the one or two optional R³ substituents if present is or are substituent(s):
 - (a) at the 3-position of a R³ cyclobutyl ring, or
 - (b) at the 3- and/or 4- position(s) of a R³ cyclopentyl or cyclopentenyl ring, or
 - (c) at the 3-, 4- and/or 5- position(s) of a R³ cyclohexyl or cyclohexenyl ring, or
 - (d) at the 3-, 4-, 5- and/or 6- position(s) of a R³ cycloheptyl or cycloheptenyl ring, or
- 25 (e) at the 3-, 4-, 5-, 6- and/or 7- position(s) of a R³ cyclooctyl ring, and/or
 - (f) at the 1-, 2- and/or highest-numbered- position(s) of a R³ cycloalkyl or cycloalkenyl ring, for alkyl or fluoroalkyl substituent(s), and/or
- (g) at the 2- and/or highest-numbered- position(s) of a R³ cycloalkyl or cycloalkenyl ring,
 for NHR²¹ substituent(s).
 - 14. A compound or salt as claimed in any preceding claim, wherein, when R³ is optionally substituted mono-unsaturated-C₅₋₇cycloalkenyl, then R³ is optionally substituted mono-unsaturated-C₆cycloalkenyl (i.e. optionally substituted
- mono-unsaturated-cyclohexenyl), and wherein the R³ cyclohexenyl is optionally substituted with one substituent being fluoro or methyl.
 - 15. A compound or salt as claimed in any preceding claim, wherein, when R³ is the heterocyclic group of sub-formula (aa), (bb) or (cc), then Y is O or NR¹⁰.

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- 16. A compound or salt as claimed in any preceding claim, wherein R^{10} is H, $C(O)NH_2$ or C(O) methyl.
- 17. A compound or salt as claimed in claim 16, wherein R¹⁰ is C(O)NH₂.

- 18. A compound or salt as claimed in any preceding claim, wherein, when R^3 is the heterocyclic group of sub-formula (aa), (bb) or (cc), then R^3 is the heterocyclic group of sub-formula (bb) and n^1 is 1.
- 19. A compound or salt as claimed in any preceding claim, wherein, in the R³ heterocyclic group of sub-formula (aa), (bb) or (cc), the one or two optional substituents (i.e. the one or two optional ring-carbon substituents) is or independently are C₁₋₂alkyl or oxo (=O).
- 15 20. A compound or salt as claimed in any preceding claim, wherein, in R³, the heterocyclic group of sub-formula (aa), (bb) or (cc) is unsubstituted on a ring carbon.
 - 21. A compound or salt as claimed in any preceding claim, wherein, when R^3 is a bicyclic group of sub-formula (ee), then Y^1 , Y^2 and Y^3 are all CH_2 .
- 22. A compound or salt as claimed in any preceding claim, wherein NHR³ is of subformula (a), (a1), (b), (c), (c 1), (c 2), (c 3), (c 4), (c 5), (c 6), (c 7), (d), (e), (f), (g), (g1), (g2), (g3), (g4), (h), (i), (j), (k1), (k2), (L), (m), (m1), (m2), (m3), (n), (o), (o1), (o2), (o3), (p), (p1), (p2), (p3), (p4), (p5), (p6), (p9), (p10), (p11) or (q):

- 23. A compound or salt as claimed in claim 22, wherein NHR³ is of sub-formula (c), (c1), (c 4), (c 5), (h), (i), (j), (k), (k2), (m1), (n), (o), (o2), (o3), (p2), (p5), (p6), (p9), (p11) or (q).
- 24. A compound or salt as claimed in claim 22, wherein NHR³ is of sub-formula (c), (h), (k2), (n), (o), (o2), (p9) or (p11).
- 25. A compound or salt as claimed in claim 22, 23 or 24, wherein:

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when NHR³ is of sub-formula (n), then it is in the *cis* configuration, i.e. it is a *cis*-(3-hydroxycyclohexan-1-yl)amino group (including mixtures of configurations wherein the *cis* configuration is the major component); and

when NHR³ is of sub-formula (p9), then it is in the *cis* configuration, i.e. it is a *cis*-[4-(aminocarbonyl)cyclohexan-1-yl]amino group (including mixtures of configurations wherein the *cis* configuration is the major component).

- 26. A compound or salt as claimed in claim 22, wherein NHR³ is of sub-formula (h) or (k2), that is R³ is tetrahydro-2H-pyran-4-yl or 1-(aminocarbonyl)-4-piperidinyl.
- 27. A compound or salt as claimed in any preceding claim, wherein R⁴ is a hydrogen atom (H); methyl, ethyl, C₁fluoroalkyl, -CH₂OH, -CH(Me)OH, -CH₂CH₂OH, or -CH₂OMe.
- 28. A compound or salt as claimed in claim 27, wherein R⁴ is a hydrogen atom (H), 25 methyl, cF₃, -CH₂OH, or -CH₂OMe.
 - 29. A compound or salt as claimed in any preceding claim, wherein: $R^5 \text{ is a hydrogen atom (H); } C_{1-5}\text{alkyl; } C_{1-2}\text{fluoroalkyl; } C_{3-6}\text{cycloalkyl}$ (unsubstituted); or -(CH₂)_n⁴-C₃₋₆cycloalkyl (not substituted), wherein n⁴ is 1 or 2;
 - or R^5 is C_{1-3} alkyl substituted by one substituent R^{11} ; wherein R^{11} is: hydroxy (OH); C_{1-4} alkoxy; C_{1} fluoroalkoxy; -NR¹²R¹³; -NR¹⁵-C(O)R¹⁶; or -NR¹⁵-S(O)₂R¹⁶; or R^5 is -(CH₂)_n¹¹-C(O)NR¹²R¹³; -(CH₂)_n¹¹-C(O)OR¹⁶; -(CH₂)_n¹¹-C(O)OH; or -(CH₂)_n¹¹-CN; wherein n^{11} is 0, 1 or 2 (and wherein for each R^5 group n^{11} is independent of the value of n^{11} in other R^5 groups);

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or \mathbb{R}^5 is -(CH₂)_n¹³-Het, wherein \mathbb{R}^{13} is 0 or 1 and Het is:

or R⁵ is phenyl (Ph) or -CH₂-Ph, wherein the phenyl ring Ph is optionally substituted with one or two substituents independently being: fluoro, chloro, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy, or C₁fluoroalkoxy;

or \mathbb{R}^4 and \mathbb{R}^5 taken together are -(CH₂)₂-O-(CH₂)₂- or -(CH₂)_p¹- in which: \mathbb{P}^1 is 2, 4 or 5.

- 10 30. A compound or salt as claimed in any preceding claim, wherein R¹¹ is OH, ethoxy, methoxy, NH₂, NHMe, NHEt, NMe₂, pyrrolidin-1-yl or piperidin-1-yl.
 - 31. A compound or salt as claimed in any preceding claim, wherein: R^{7a} is H or methyl;

15 R^{8a} is H;

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 R^7 and R^8 are independently a hydrogen atom (H); $C_{1\text{-}2}$ alkyl; $C_{3\text{-}6}$ cycloalkyl; or phenyl optionally substituted by one substituent being: fluoro, chloro, $C_{1\text{-}2}$ alkyl, $C_{1\text{-}2}$ alkoxy or $C_{1\text{-}1}$ fluoroalkoxy; and wherein when R^7 is cycloalkyl or optionally substituted phenyl then R^8 is neither cycloalkyl nor optionally substituted phenyl;

or R^7 and R^8 together are - $(CH_2)_n^6$ - or - $(CH_2)_n^8$ - X^7 - $(CH_2)_n^9$ -, wherein X^7 is NR^{14} or O, n^6 is 4 or 5, and n^8 and n^9 are 2;

 R^{12} and R^{13} independently are H; C_{1-2} alkyl; C_{3-6} cycloalkyl; or phenyl optionally substituted by one substituent being: fluoro, chloro, C_{1-2} alkyl, C_{1} fluoroalkyl,

 C_{1-2} alkoxy or C_{1} fluoroalkoxy; and wherein when R^{12} is cycloalkyl or optionally substituted phenyl then R^{13} is neither cycloalkyl nor optionally substituted phenyl;

or R^{12} and R^{13} together are - $(CH_2)_n^{6a}$ - or - $(CH_2)_n^{8a}$ - X^{12} - $(CH_2)_n^{9a}$ -, wherein X^{12} is NR^{14a} or O, n^{6a} is 4 or 5, and n^{8a} and n^{9a} are 2;

 R^{14} , R^{14a} , R^{17} and R^{17a} independently are: H, C_{1-2} alkyl, or -C(O)Me;

30 R¹⁵ is a hydrogen atom (H) or methyl;

R^{15a}, independent of other R^{15a}, is H or C₁₋₂alkyl;

 R^{15b} is H;

 R^{16} is C_{1-4} alkyl;

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 R^{16a} is: C_{1-4} alkyl; unsubstituted C_{3-6} cycloalkyl; phenyl optionally substituted by one or two substituents independently being: a halogen atom, C_{1-2} alkyl, C_{1} fluoroalkyl, C_{1-2} alkoxy or C_{1} fluoroalkoxy; or benzyl optionally substituted on its ring by one or two substituents independently being: a halogen atom, C_{1-2} alkyl, C_{1} alkoxy or C_{1} fluoroalkoxy; and

 R^{30} , independent of other R^{30} , is a hydrogen atom (H) or C_{1-4} alkyl.

- 32. A compound or salt as claimed in claim 31, wherein R^7 and R^8 independently are a hydrogen atom (H) or C_{1-2} alkyl;
- 10 R^{12} and R^{13} independently are a hydrogen atom (H) or C_{1-2} alkyl; and R^{16a} is C_{1-4} alkyl.
 - 33. A compound or salt as claimed in any preceding claim, wherein, in sub-formula (x):
- two or more of A, B, D, E and F are C-H (carbon-hydrogen); and one or more others of A, B, D, E and F are independently C-H (carbon-hydrogen), C-F (carbon-fluorine), C-Cl (carbon-chlorine), C-Me, C-OMe, or nitrogen (N); no more than one of A, B, D, E and F is nitrogen; and none of A, B, D, E and F are nitrogen-oxide (N⁺-O⁻).

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- 34. A compound or salt as claimed in any preceding claim, wherein Ar has the subformula (x).
- 35. A compound or salt as claimed in claim 34, wherein Ar has the sub-formula (x), and the sub-formula (x) is sub-formula (x1), (x2), (x3), (x4), (x5), (x6), (x7), (x8), (x9), (x10), (x11), (x12), (x13), (x14), (x15) or (x16):

- 36. A compound or salt as claimed in claim 35, wherein Ar has the sub-formula (x), and the sub-formula (x) is sub-formula (x1), (x8), (x13), or (x14).
 - 37. A compound or salt as claimed in claim 35, wherein Ar has the sub-formula (x), and the sub-formula (x) is sub-formula (x1).
- 38. A compound or salt as claimed in claim 37, wherein Ar is of sub-formula (x1) and is: monoalkyl-phenyl-, mono(fluoroalkyl)-phenyl-, monohalo-phenyl-, monoalkoxy-phenyl-, mono(fluoroalkoxy)-phenyl-, dialkyl-phenyl-, monoalkyl-monohalo-phenyl-, dihalo-phenyl- or dihalo-monoalkyl-phenyl-.
- 39. A compound or salt as claimed in claim 38, wherein Ar is: monoC₁₋₃alkyl-phenyl; monoC₁fluoroalkyl-phenyl-; monoC₁₋₃alkoxy-phenyl-; mono(C₁fluoroalkoxy)-phenyl-; diC₁₋₂alkyl-phenyl-; monoC₁₋₃alkyl-monohalo-phenyl-; dihalo-phenyl-; or dihalo-monoC₁₋₂alkyl-phenyl-.

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- 40. A compound or salt as claimed in any preceding claim, wherein, in sub-formula (x), R⁶A, R⁶B, R⁶D, R⁶E and R⁶F, independently of each other, are: a hydrogen atom (H), a fluorine, chlorine, bromine or iodine atom, methyl, ethyl, n-propyl, isopropyl, C₄alkyl, trifluoromethyl, -CH₂OH, methoxy, ethoxy, n-propoxy, isopropoxy, C₁fluoroalkoxy, cyclohexyloxy; cyclopentyloxy; nitro (-NO₂), OH, C₁₋₃alkylS(O)₂-, C₁₋₃alkylS(O)₂-, H₂N-S(O)₂-, -CONH₂, -CONHMe, -C(O)OH, cyano (-CN), NMe₂, or C₁₋₂alkyl-S(O)₂-CH₂-.
- 41. A compound or salt as claimed in claim 40, wherein R^{6A}, R^{6B}, R^{6D}, R^{6E} and R^{6F}, independently of each other, are: a hydrogen atom (H), a fluorine, chlorine or bromine atom, methyl, ethyl, n-propyl, isopropyl, trifluoromethyl, -CH₂OH, methoxy, ethoxy, n-propoxy, difluoromethoxy, OH or MeS(O)₂-.
- 15 42. A compound or salt as claimed in any preceding claim, wherein R⁹ is a hydrogen atom (H) or methyl;

 R^{6J} , R^{6M} and R^{6Q} independently are H, OH (including any keto tautomer thereof), C_{1-2} alkyl or C_{1} fluoroalkyl; and

when Ar has the sub-formula (z), then sub-formula (z) is one of the following:

43. A compound or salt as claimed in any preceding claim, wherein the compound of formula (I) or the salt thereof is racemic at the carbon atom bearing the R⁴ and R⁵ groups, or the compound of formula (I) or the salt thereof is a compound of formula (IA) or a salt thereof:

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wherein Formula (IA) means that more than 50% of the compound or salt present has the stereochemistry shown at the carbon atom bearing the R⁴ and R⁵ groups.

- 10 44. A compound or salt as claimed in claim 43, wherein the compound of formula (I) or the salt thereof is a compound of formula (IA) or a salt thereof.
 - 45. A compound or salt as claimed in claim 44, wherein, in Formula (IA), the stereochemistry at the carbon atom bearing the R⁴ and R⁵ groups is such that there is an enantiomeric excess (e.e.) of 50% or more at the carbon atom bearing the R⁴ and R⁵ groups (ignoring the stereochemistry at any other carbon atoms), and wherein "enantiomeric excess" (e.e.) is defined as the percentage of the major isomer present minus the percentage of the minor isomer present.
- 20 46. A compound or salt as claimed in claim 43, 44 or 45, wherein, in formula (IA), R⁵ is a hydrogen atom (H) and R⁴ is not a hydrogen atom (H).
 - 47. A compound or salt as claimed in claim 46, wherein, in formula (IA), R⁵ is a hydrogen atom (H); and R⁴ is methyl, ethyl, C₁ fluoroalkyl, -CH₂OH, or -CH₂OMe.

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- 48. A compound or salt as claimed in claim 47, wherein, in formula (IA), R^5 is a hydrogen atom (H); and R^4 is methyl or ethyl.
- 49. A compound or salt as claimed in claim 46, 47 or 48, wherein, in formula (IA), 30 Ar is a monocycle, meaning that, in formula (IA), two adjacent groups selected from R^{6A}, R^{6B}, R^{6D}, R^{6E} and R^{6F} are not taken together to form part of a second ring.

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50. A compound or salt as claimed in any preceding claim, which is a compound of Formula (XXVIII) or a salt thereof:

$$\begin{array}{c|c} R^3 & HO & R^{Y1} \\ R^{Y2} & R^{X1} \\ N & R^2 & R^{X2} \\ R^1 & (XXVIII) \end{array}$$

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wherein:

RX1 is a hydrogen atom (H), C₁₋₂alkyl or C₁fluoroalkyl;

RY1 is a hydrogen atom (H) or C₁₋₂alkyl;

 R^{Y2} is a hydrogen atom (H); C_{1-3} alkyl; or -(CH₂) $_{n}^{7aa}$ -OH; wherein n^{7aa} is 1, 2 or 3;

10 and

R^{X2} is Ar^A, wherein:

(i) Ar^A is phenyl optionally substituted by one or two substituents independently being: fluoro, chloro, bromo, $C_{1\text{-}2}$ alkyl, $C_{1\text{-}2}$ fluoroalkyl, $C_{1\text{-}2}$ alkoxy, $C_{1\text{-}2}$ fluoroalkoxy; OH; -NR¹¹aaR¹¹bb (wherein R¹¹aa is H or $C_{1\text{-}2}$ alkyl and R¹¹bb is H, $C_{1\text{-}2}$ alkyl, -C(O)-C₁₋₂alkyl or -S(O)₂-C₁₋₂alkyl); cyano; -C(O)-NR¹¹ccR¹¹dd (wherein R¹¹cc and R¹¹dd independently are H or $C_{1\text{-}2}$ alkyl); -C(O)-OR¹¹ee wherein R¹¹ee is H or $C_{1\text{-}2}$ alkyl; or -S(O)₂-R¹¹ff (wherein R¹¹ff is $C_{1\text{-}2}$ alkyl, NH₂, NHMe or NMe₂); or the phenyl Ar^A is optionally substituted at two adjacent Ar ring atoms by the two ends of a chain which is: -(CH₂)₄-, -(CH₂)₃-, or -CH=CH-CH=CH-; or

- (ii) Ar^A is an optionally substituted 5-membered heterocyclic aromatic ring containing 1, 2, 3 or 4 heteroatoms selected from O, N or S; and wherein when the heterocyclic aromatic ring Ar^A contains 2, 3 or 4 heteroatoms, one is selected from O, N and S and the remaining heteroatom(s) are N; and wherein the heterocyclic aromatic ring Ar^A is optionally substituted by one or two groups independently being C_{1-4} alkyl or OH (including any keto tautomer of an OH-substituted aromatic ring).
- 51. A compound or salt as claimed in any of claims 1 to 49, which is not a compound of Formula (XXVIII), as defined in claim 50, or a salt thereof.

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- 52. A compound of formula (I) or a salt thereof as claimed in any preceding claim, which is:
- 1-ethyl-N-[(1R)-1-phenylpropyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 b]pyridine-5-carboxamide
 1-ethyl-N-(1-methyl-1-phenylethyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-{1-[4-(methylsulfonyl)phenyllethyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1
 - $1-ethyl-N-\{1-[4-(methylsulfonyl)phenyl]+4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
- N-(diphenylmethyl)-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[1-(3-pyridinyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1S)-1-phenylpropyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-
- 15 b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1S)-1-phenylethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-1-phenylethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 20 1-ethyl-*N*-[1-methyl-1-(4-pyridinyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-*N*-[(1*R*)-1-phenylethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-N-{1-[4-(ethyloxy)phenyl]ethyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-*N*-(3-hydroxy-1-phenylpropyl)-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 30 1-ethyl-N-[1-(3-hydroxyphenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 N-[2-(dimethylamino)-1-phenylethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-[1-phenyl-2-(1-pyrrolidinyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-*b*]pyridine-5-carboxamide 1-ethyl-*N*-[1-(hydroxymethyl)-1-phenylpropyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-{1-[4-(propyloxy)phenyl]ethyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 40 methyl 3-({[1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridin-5-yl]carbonyl}amino)-3-phenylpropanoate

- 1-ethyl-N-[1-(4-fluorophenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(4-chlorophenyl)ethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- ethyl ({[1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridin-5-yl]carbonyl}amino)(phenyl)acetate
 - $1-ethyl-N-\{(1R)-1-[3-(methyloxy)phenyl]ethyl\}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
 - 1-ethyl-N-[(1S)-2-(methyloxy)-1-phenylethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[(1R)-2-amino-2-oxo-1-phenylethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H
 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-2-hydroxy-1-phenylethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-*N*-[(1*R*)-1-(4-nitrophenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-*N*-[(1*S*)-2-hydroxy-1-phenylethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-2-(methyloxy)-1-phenylethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyran-4-ylamino-1H-pyran-4-
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-(2-hydroxy-1,1-diphenylethyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - *N*-[1-(3-cyanophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- N-[cyano(phenyl)methyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-{cyclopropyl[4-(methyloxy)phenyl]methyl}-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[1-(1-naphthalenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- 30 pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-(1,2-diphenylethyl)-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-*N*-{1-[4-(methyloxy)phenyl]butyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 35 1-ethyl-*N*-[(1*R*)-1-(1-naphthalenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-*N*-[(1*S*)-1-(1-naphthalenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(aminocarbonyl)-1-phenylpropyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- 40 pyrazolo[3,4-b]pyridine-5-carboxamide 1-ethyl-N-(1-phenylcyclopentyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- 1-ethyl-*N*-(4-phenyltetrahydro-2*H*-pyran-4-yl)-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-N-(1-phenylcyclopropyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 N-{1-[4-(cyclohexyloxy)-3-methylphenyl]ethyl}-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 N-{1-[3-(cyclohexyloxy)-4-(methyloxy)phenyl]ethyl}-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 N-[1-(2,3-dichlorophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-{1-[4-(cyclohexyloxy)-3-hydroxyphenyl]ethyl}-1-ethyl-4-(tetrahydro-2H-pyran-4ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

 N-{1-[4-(cyclopentyloxy)phenyl]ethyl}-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-*N*-[1-(4-methylphenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-{1-[4-(1,1-dimethylethyl)phenyl]cycloheptyl}-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-[1-(4-bromophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1S)-1-(4-iodophenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
 N-{1-[4-(aminosulfonyl)phenyl]ethyl}-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
- 25 1-ethyl-*N*-(1-methyl-1-phenylpropyl)-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-[1-(1,3-benzodioxol-5-yl)cyclohexyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

 1-ethyl-*N*-{1-[4-(methyloxy)phenyl]cyclohexyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- 30 pyrazolo[3,4-b]pyridine-5-carboxamide 1-ethyl-N-[1-(4-fluorophenyl)cyclohexyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide N-[1-(3-chlorophenyl)cyclopentyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(2-chlorophenyl)cyclopentyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-{1-[4-(1,1-dimethylethyl)phenyl]cyclohexyl}-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-{1-[4-(1-methylethyl)phenyl]ethyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide

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- 1-ethyl-N-[(1S,2R)-2-hydroxy-1-phenylpropyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-N-{(1R)-1-[4-(methyloxy)phenyl]ethyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-B]pyridine-5-carboxamide
- 5 1-ethyl-*N*-{(1*S*)-1-[4-(methyloxy)phenyl]ethyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-(1-phenylhexyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-(1-phenylpentyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-
- 10 b]pyridine-5-carboxamide
 - 1-ethyl-*N*-(2-methyl-1-phenylpropyl)-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-*N*-(1-phenylbutyl)-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-*N*-(2,2,2-trifluoro-1-phenylethyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[cyclopropyl(phenyl)methyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[1-(4-fluorophenyl)propyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(2,3-dichlorophenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-B]pyridine-5-carboxamide
- 25 1-ethyl-N-(1-phenylethyl)-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[(1R)-1-(4-bromophenyl)]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chlorophenyl)-2-hydroxyethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- 30 pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(3,4-dichlorophenyl)-2-hydroxyethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-*N*-{1-[3-(methyloxy)phenyl]propyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 35 1-ethyl-*N*-{1-[4-(methyloxy)phenyl]propyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(4-bromophenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-{1-[4-(propyloxy)phenyl]propyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(3,5-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide

- 1-ethyl-*N*-[1-(4-methylphenyl)propyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-*N*-{1-[4-(1-methylethyl)phenyl]propyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 5 1-ethyl-N-[1-(2-methylphenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

 N-(1-{4-[(difluoromethyl)oxy]phenyl}ethyl)-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-*N*-{1-[4-(trifluoromethyl)phenyl]ethyl}-1*H*-
- 10 pyrazolo[3,4-b]pyridine-5-carboxamide

pyrazolo[3,4-b]pyridine-5-carboxamide

- 1-ethyl-*N*-[1-(2-methylphenyl)propyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]propyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- N-(1-{4-[(difluoromethyl)oxy]phenyl}propyl)-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide 1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-*N*-{1-[4-(trifluoromethyl)phenyl]propyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,3-dimethylphenyl)ethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- N-[1-(4-chloro-2-fluorophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 N-[1-(3-chloro-4-methylphenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 N-[1-(2,3-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(4-chloro-2-fluorophenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(3-chloro-4-methylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide 1-ethyl-*N*-[1-(3-hydroxyphenyl)propyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide N-[1-(2,3-dihydro-1*H*-inden-5-yl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- 40 pyrazolo[3,4-*b*]pyridine-5-carboxamide 1-ethyl-*N*-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

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- N-[1-(4-bromophenyl)-2,2,2-trifluoroethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-*N*-{2,2,2-trifluoro-1-[3-(methyloxy)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 5 4-(cyclohexylamino)-1-ethyl-*N*-{1-[4-(methylsulfonyl)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-[(1*R*)-1-phenylpropyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $4-({\rm cyclohexylamino})-N-({\rm diphenylmethyl})-1-{\rm ethyl}-1H-{\rm pyrazolo}[3,4-b]{\rm pyridine}-5-{\rm diphenylmethyl}-1-{\rm ethyl}-1H-{\rm pyrazolo}[3,4-b]{\rm pyridine}-5-{\rm diphenylmethyl}-1-{\rm ethyl}-1H-{\rm pyrazolo}[3,4-b]{\rm pyridine}-5-{\rm ethyl}-1-{\rm ethyl}-1-{\rm$
- 10 carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - ethyl ({[4-(cyclohexylamino)-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridin-5-yl]carbonyl}amino)(phenyl)acetate
- 15 N-[1-(4-chlorophenyl)ethyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-(1-methyl-1-phenylethyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-[1-(4-fluorophenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-
- 20 carboxamide
 - N-[1-(4-chlorophenyl)propyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-*N*-(1,2-diphenylethyl)-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 4-(cyclohexylamino)-1-ethyl-*N*-{1-[4-(propyloxy)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide methyl 3-({[4-(cyclohexylamino)-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridin-5-yl]carbonyl}amino)-3-phenylpropanoate
 - 4-(cyclohexylamino)-1-ethyl-N-[1-(hydroxymethyl)-1-phenylpropyl]-1H-pyrazolo[3,4-
- 30 b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-(3-hydroxy-1-phenylpropyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{1-[4-(ethyloxy)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 35 4-(cyclohexylamino)-1-ethyl-*N*-[1-(3-hydroxyphenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-[1-phenyl-2-(1-pyrrolidinyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-N-[2-(dimethylamino)-1-phenylethyl]-1-ethyl-1H-pyrazolo[3,4-
- b]pyridine-5-carboxamide
 4-(cyclohexylamino)-1-ethyl-N-[(1R)-2-(methyloxy)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- N-[(1R)-2-amino-2-oxo-1-phenylethyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-1-ethyl-N-[(1R)-2-hydroxy-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 4-(cyclohexylamino)-1-ethyl-*N*-[(1*S*)-2-hydroxy-1-phenylethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{(1R)-1-[3-(methyloxy)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-[(1S)-2-(methyloxy)-1-phenylethyl]-1H-pyrazolo[3,4-
- 10 b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-[(1*R*)-1-(4-nitrophenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-[(1S)-1-(1-naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-1-ethyl-*N*-[phenyl(4-phenyl-1,3-thiazol-2-yl)methyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[cyano(phenyl)methyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-({\rm cyclohexylamino})-1-{\rm ethyl-} N-[1-(1-{\rm naphthalenyl}){\rm ethyl}]-1 \\ H-{\rm pyrazolo}[3,4-b]{\rm pyridine}-5-(1-{\rm naphthalenyl}){\rm ethyl}]-1 \\ H-{\rm pyrazolo}[3,4-b]{\rm ethyl}]-1 \\ H-{\rm pyrazolo}[3,4-b]{\rm ethyl}[3,4-b]{\rm ethyl}]-1 \\ H-{\rm pyrazolo}[3,4-b]{\rm ethyl}[3,4-b]{\rm ethyl$
- 20 carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-(2-hydroxy-1,1-diphenylethyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{(1R)-1-[4-(methyloxy)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 25 4-(cyclohexylamino)-1-ethyl-*N*-[1-(4-fluorophenyl)propyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-N-[1-(2,3-dichlorophenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-(\operatorname{cyclohexylamino})-1-\operatorname{ethyl-} N-[(1R)-1-(4-\operatorname{methylphenyl})\operatorname{ethyl}]-1H-\operatorname{pyrazolo}[3,4-\operatorname{methylphenyl})$
- 30 b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-(1-phenylethyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[(1R)-1-(4-bromophenyl)-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-N-[1-(2,3-dichlorophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{1-[3-(methyloxy)phenyl]propyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-(cyclohexylamino)-1-ethyl-N-\{1-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl\}-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl]-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl]-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl]-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl]-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]propyl]-1\\ H-pyrazolo[3,4-1]-[4-(methyloxy)phenyl]-1\\ H-pyrazolo[3,4-1$
- 40 b]pyridine-5-carboxamide
 - N-[1-(4-bromophenyl)propyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

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- 4-(cyclohexylamino)-1-ethyl-N-{1-[4-(propyloxy)phenyl]propyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-*N*-[1-(3,5-dimethylphenyl)propyl]-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 5 4-(cyclohexylamino)-1-ethyl-*N*-[1-(4-methylphenyl)propyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{1-[4-(1-methylethyl)phenyl]propyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-[1-(2-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-
- 10 carboxamide
 - 4-(cyclohexylamino)-N-(1-{4-[(difluoromethyl)oxy]phenyl}ethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-N-{1-[4-(trifluoromethyl)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-1-ethyl-*N*-[1-(2-methylphenyl)propyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]propyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-N-(1-{4-[(difluoromethyl)oxy]phenyl}propyl)-1-ethyl-1H-
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-1-ethyl-*N*-{1-[4-(trifluoromethyl)phenyl]propyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-*N*-[1-(2,3-dimethylphenyl)ethyl]-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chloro-2-fluorophenyl)ethyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-
- 30 b]pyridine-5-carboxamide
 - N-[1-(3-chloro-4-methylphenyl)-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-(cyclohexylamino)-*N*-[1-(2,3-dimethylphenyl)propyl]-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 35 4-(cyclohexylamino)-*N*-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(4-chloro-2-fluorophenyl)propyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $\textit{N-} [1-(3-\text{chloro-}4-\text{methylphenyl}) \text{propyl}]-4-(\text{cyclohexylamino})-1-\text{ethyl-}1 \\ \textit{H-pyrazolo} [3,4-\text{methylphenyl}) \\ \textit{H-pyrazolo} [3,4-\text{methylphenylphenylphenylphenylphe$
- b]pyridine-5-carboxamide
 4-(cyclohexylamino)-1-ethyl-N-[1-(3-hydroxyphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- N-[1-(4-chlorophenyl)-2-hydroxyethyl]-4-(cyclohexylamino)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-(cyclohexylamino)-*N*-[1-(2,3-dihydro-1*H*-inden-5-yl)ethyl]-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 5 4-(cyclohexylamino)-1-ethyl-*N*-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 4-[(1-acetyl-4-piperidinyl)amino]-1-ethyl-N-<math>[(1S)-1-phenylpropyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-[(1-acetyl-4-piperidinyl)amino]-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-
- 10 b]pyridine-5-carboxamide
 - 4-[(1-acetyl-4-piperidinyl)amino]-*N*-(diphenylmethyl)-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $4-[(1-acetyl-4-piperidinyl)amino]-1-ethyl-N-{1-[4-(methylsulfonyl)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
- 4-[(1-acetyl-4-piperidinyl)amino]-1-ethyl-*N*-[(1*R*)-1-phenylpropyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(4-chlorophenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 20 b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1S)-1-(4-nitrophenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-1-(4-nitrophenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 25 1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]ethyl}-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $1-ethyl-4-[(4-oxocyclohexyl)amino]-N-\{1-[4-(propyloxy)phenyl]ethyl\}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
 - 1-ethyl-N-[1-(4-fluorophenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 30 b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-2-hydroxy-1-phenylethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-(1-phenylpropyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 35 (2R)-[({1-ethyl-4-[(4-oxocyclohexyl)amino}]-1H-pyrazolo[3,4-b]pyridin-5
 - yl}carbonyl)amino][3-(methyloxy)phenyl]ethanoic acid
 - 1-ethyl-N-{1-[4-(1-methylethyl)phenyl]ethyl}-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[1-(2-methylphenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 40 b]pyridine-5-carboxamide
 - N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- 1-ethyl-N- $\{(1R)$ -1-[4-(methyloxy)phenyl]ethyl $\}$ -4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-N-[1-(4-fluorophenyl)propyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 N-[1-(2,3-dichlorophenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-(1-phenylethyl)-1H-pyrazolo[3,4-b]pyridine-5-
- 10 carboxamide
 - N-[(1R)-1-(4-bromophenyl)]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-[(1S)-2-hydroxy-1-phenylethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(4-chlorophenyl)-2-hydroxyethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $N-(1-\{4-[(difluoromethyl)oxy]phenyl\}ethyl)-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-{1-[4-(trifluoromethyl)phenyl]ethyl}-1H-
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-*N*-[1-(2-methylphenyl)propyl]-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-N-{1-[4-(ethyloxy)phenyl]propyl}-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 25 $N-(1-\{4-[(difluoromethyl)oxy]phenyl\}propyl)-1-ethyl-4-[(4-oxocyclohexyl)amino]-1<math>H$ -pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-{1-[4-(trifluoromethyl)phenyl]propyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 30 b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-[(1R)-1-phenylpropyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-N-{(1R)-1-[3-(methyloxy)phenyl]ethyl}-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 35 N-[1-(2,3-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1<math>H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(2,4-dimethylphenyl)]-1-ethyl-4-[(4-oxocyclohexyl)]amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chloro-2-fluorophenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(3-chloro-4-methylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1Hpyrazolo[3,4-b]pyridine-5-carboxamide

- N-[1-(2,3-dimethylphenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1\$H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 N-[1-(4-chloro-2-fluorophenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(3-chloro-4-methylphenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

1-ethyl-N-[1-(3-hydroxyphenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-

- 10 b]pyridine-5-carboxamide
 - 1-ethyl-*N*-[1-(3-hydroxyphenyl)propyl]-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(2,3-dichlorophenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 15 1-ethyl-*N*-{1-[3-(methyloxy)phenyl]propyl}-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-*N*-{1-[4-(methyloxy)phenyl]propyl}-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - N-[1-(4-bromophenyl)propyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 20 b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-*N*-{1-[4-(propyloxy)phenyl]propyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $N-[1-(3,5-\mathrm{dimethylphenyl})\mathrm{propyl}]-1-\mathrm{ethyl-4-[(4-oxocyclohexyl)amino}]-1\\ H-\mathrm{pyrazolo}[3,4-b]\mathrm{pyridine-5-carboxamide}$
- 25 1-ethyl-*N*-[1-(4-methylphenyl)propyl]-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - $1-ethyl-N-\{1-[4-(1-methylethyl)phenyl]propyl\}-4-[(4-oxocyclohexyl)amino]-1 H-pyrazolo[3,4-b]pyridine-5-carboxamide$
 - 1-ethyl-N-(1-{4-[(1-methylethyl)oxy]phenyl}ethyl)-4-[(4-oxocyclohexyl)amino]-1H-
- 30 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-[(4-oxocyclohexyl)amino]-*N*-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - *N*-[1-(4-bromophenyl)-2,2,2-trifluoroethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 35 1-ethyl-4-[(4-oxocyclohexyl)amino]-*N*-{2,2,2-trifluoro-1-[3-(methyloxy)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 - 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-[(1S)-2-hydroxy-1-phenylethyl]-1H-
- 40 pyrazolo[3,4-b]pyridine-5-carboxamide
 - $N-[1-(2,3-dihydro-1H-inden-5-yl)ethyl]-1-ethyl-4-{[4-yl]}$
 - (hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- N-[1-(4-chlorophenyl)-2-hydroxyethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide 1-ethyl-N-{1-[4-(ethyloxy)phenyl]ethyl}-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-{1-[4-(propyloxy)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-*N*-[1-(4-fluorophenyl)ethyl]-4-{[4-(hydroxyimino)cyclohexyl]amino}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-[(1*R*)-2-hydroxy-1-phenylethyl]-1*H*-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-(1-phenylpropyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{1-[4-(1-methylethyl)phenyl]ethyl}1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{(1R)-1-[4-(methyloxy)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[1-(4-fluorophenyl)propyl]-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-
- pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-[1-(2,3-dichlorophenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1*H*
 pyrazolo[3,4-*b*]pyridine-5-carboxamide

 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-[(1*R*)-1-(4-methylphenyl)ethyl]-1*H*
 pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 25 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-(1-phenylethyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,3-dichlorophenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H
 pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(4-chlorophenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H
 pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{1-[3-(methyloxy)phenyl]propyl}1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{1-[4-(methyloxy)phenyl]propyl}1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(4-bromophenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{1-[4-(propyloxy)phenyl]propyl} 1H-pyrazolo[3,4-b]pyridine-5-carboxamide

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- N-[1-(3,5-dimethylphenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-[1-(4-methylphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{1-[4-(1-methylethyl)phenyl]propyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-[1-(2-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-(1-{4-[(difluoromethyl)oxy]phenyl}ethyl)-1-ethyl-4-{[4-
- 10 (hydroxyimino)cyclohexyl]amino}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-{1-[4(trifluoromethyl)phenyl]ethyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-[1-(2-methylphenyl)propyl]-1*H*pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]propyl}-4-{[4-(hydroxyimino)cyclohexyl]amino}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-(1-{4-[(difluoromethyl)oxy]phenyl}propyl)-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-{1-[4-
- 20 (trifluoromethyl)phenyl]propyl}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide *N*-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1*H*
 pyrazolo[3,4-*b*]pyridine-5-carboxamide

 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-[(1*R*)-1-phenylpropyl]-1*H*
 pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-{(1R)-1-[3-(methyloxy)phenyl]ethyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,3-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(4-chloro-2-fluorophenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}
 1H-pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(3-chloro-4-methylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}
 1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(2,3-dimethylphenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(4-chloro-2-fluorophenyl)propyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-
- 40 1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

 N-[1-(3-chloro-4-methylphenyl)propyl]-1-ethyl-4-{[4(hydroxyimino)cyclohexyl]amino}-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide

- 1-ethyl-4- $\{[4-(hydroxyimino)cyclohexyl]amino\}-N-[1-(3-hydroxyphenyl)ethyl]-1H-pyrazolo[3,4-<math>b$]pyridine-5-carboxamide
- 1-ethyl-4- $\{[4-(hydroxyimino)cyclohexyl]amino\}-N-[1-(3-hydroxyphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
- 5 $N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
 - $N-[1-(2,4-\text{dimethylphenyl})\text{ethyl}]-1-\text{ethyl-}4-\{[4-(\text{hydroxyimino})\text{cyclohexyl}]\text{amino}\}-1H-$ pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-
- 10 pyrazolo[3,4-b]pyridine-5-carboxamide

 N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(
 - N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-*N*-(1-{4-[(1-methylethyl)oxy]phenyl}ethyl)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 1-ethyl-4-{[4-(hydroxyimino)cyclohexyl]amino}-N-(1-{4-[(1-methylethyl)oxy]phenyl}ethyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[1-(4-fluorophenyl)ethyl]-4-{[4-(hydroxyimino)cyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $1-ethyl-\textit{N-}[1-(4-fluorophenyl)ethyl]-4-\{[4-(hydroxyimino)cyclohexyl]amino\}-1\textit{H-}(1-(hydroxyimino)cyclohexyl]amino\}-1\textit{H-}(1-(hydroxyimino)cyclohexyl]amino\}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino\}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]amino}-1\text{-}(1-(hydroxyimino)cyclohexyl]-1\text{-}(1-(hydroxyimino)cyclohexy$
- 20 pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-{[(1S,3R)- and/or (1R,3S)-3-
 - $hydroxycyclohexyl] amino \}-1 \\ H-pyrazolo [3,4-b] pyridine-5-carboxamide$
 - 1-ethyl-4- $\{[(1S,3R)- and/or (1R,3S)-3-hydroxycyclohexyl]amino}-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
- 25 $N-[1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or})-(1R,3S)-3-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethyl}-4-(1-(2,4-\text{dimethylphenyl})-1-\text{ethylphenyl}-1-(1-(2,4-\text{dimethylphenyl})-1-\text{ethylphenylphe$
 - hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide (Isomer 1)
 - $N-[1-(2,4-\text{dimethylphenyl})\text{ethyl}]-1-\text{ethyl}-4-\{[(1S,3R)-\text{and/or }(1R,3S)-3-\text{and/or }(1R,3S)-3-\text{a$
 - hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide (Isomer 2)
 - $N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-4-{[(1S,3R)- and/or (1R,3S)-3- and/or (1R$
- 30 hydroxycyclohexyl]amino $\}$ -1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[1-(4-chlorophenyl)propyl]-1-ethyl-6-methyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[1-(4-chlorophenyl)ethyl]-1-ethyl-6-methyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide
- 35 *N*-[1-(4-chlorophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 1)
 - N-[1-(4-chlorophenyl)ethyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
 - pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 2)
 - N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- 40 pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 1)
 - N-[1-(4-chlorophenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 2)

- 1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]ethyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 1)
- 1-ethyl-*N*-{1-[4-(ethyloxy)phenyl]ethyl}-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 2)
- 5 N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 1)
 - N-[1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 2)
 - N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-
- 10 b]pyridine-5-carboxamide (Enantiomer 1)
 - N-[1-(3,5-dimethylphenyl)ethyl]-1-ethyl-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 2)
 - 1-ethyl-N-(1-{4-[(1-methylethyl)oxy]phenyl}ethyl)-4-[(4-oxocyclohexyl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 1)
- 15 1-ethyl-*N*-(1-{4-[(1-methylethyl)oxy]phenyl}ethyl)-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 2)
 - 1-ethyl-*N*-[1-(4-fluorophenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 1)
 - $1-ethyl-N-[1-(4-fluorophenyl)ethyl]-4-[(4-oxocyclohexyl)amino]-1 \\ H-pyrazolo[3,4-oxocyclohexyl)amino]-1 \\ H-pyrazolo[3,4-ox$
- 20 b]pyridine-5-carboxamide (Enantiomer 2)
 - N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 1)
 - N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Enantiomer 2)
- 25 1-ethyl-4-{[(1*S*,3*R*)- and/or (1*R*,3*S*)-3-hydroxycyclohexyl]amino}-*N*-[(1*R*)-1-(4-methylphenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Diastereoisomer 1) 1-ethyl-4-{[(1*S*,3*R*)- and/or (1*R*,3*S*)-3-hydroxycyclohexyl]amino}-*N*-[(1*R*)-1-(4-methylphenyl)ethyl]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide (Diastereoisomer 2) *N*-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2*H*-pyran-4-ylamino)-1*H*-
- pyrazolo[3,4-b]pyridine-5-carboxamide (Enantiomer 2) hydrochloride
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-phenylethyl]-1H-
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[1-(3-chloro-4-methylphenyl)propyl]-1-
- 40 ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[1-(4-chloro-2-fluorophenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide, or

4-{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide;

as a compound or a salt thereof.

- 53. A compound of formula (I) or a salt thereof as claimed in any of claims 1 to 51, which is:
- N-[(1S)-1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[(1R)-1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[(1R)-1-(2,5-dimethylphenyl)ethyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-N-[(1R)-1-(2,4,6-trimethylphenyl)ethyl]-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1R)-1-(2-ethylphenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1Hpyrazolo[3,4-b]pyridine-5-carboxamide
- 1-ethyl-N-[(1R)-1-(4-ethylphenyl)ethyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1R)-1-(4-methylphenyl)propyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1R)-1-(4-ethylphenyl)propyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide 1-ethyl-N-{(1R)-1-[4-(1-methylethyl)phenyl]propyl}-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide N-[(1R)-1-(4-chloro-2-fluorophenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- N-[(1R)-1-(2,6-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[(1R)-1-(2,5-dimethylphenyl)propyl]-1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1R)-1-(2-ethylphenyl)propyl]-4-(tetrahydro-2H-pyran-4-ylamino)-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-4-(tetrahydro-2H-pyran-4-ylamino)-N-[(1R)-1-(2,4,6-trimethylphenyl)propyl]1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(2,5-dimethylphenyl)ethyl]-1ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(4-ethylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(2-ethylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

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- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(2,4,6-trimethylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[1-(4-chlorophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-phenylpropyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[1-(4-chlorophenyl)propyl]-1-ethyl-1H-
- pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[1-(4-fluorophenyl)propyl]-1H
 - pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(4-methylphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(4-ethylphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $\label{lem:condition} $$4-\{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-\{(1R)-1-[4-(1-methylethyl)phenyl]propyl\}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide $$(1R)-1-[4-(1-methylethyl)phenyl]propyl}$$$
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(4-chloro-2-
- 20 fluorophenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(2,6-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(1R)-1-(2,5-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(2-ethylphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(1R)-1-(2,4,6-trimethylphenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-\{[4-(aminocarbonyl)cyclohexyl]amino\}-N-[1-(4-chlorophenyl)propyl]-1-ethyl-1H-1-(4-chlorophenyl)propyl]-1-ethyl-1-(4-chlorophenyl)propyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propyl-1-ethyl-1-(4-chlorophenyl)propy$
- 30 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-phenylpropyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[4-(aminocarbonyl)cyclohexyl]amino}-N-(1-{4-[(difluoromethyl)oxy]phenyl}ethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 35 4-{[4-(aminocarbonyl)cyclohexyl]amino}-N-[1-(4-chlorophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[1-(4-fluorophenyl)propyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 40 pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[cis-4-(aminocarbonyl)cyclohexyl]amino}-N-[(1R)-1-(2,4-dimethylphenyl)propyl]-1ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

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- 4-{[cis-4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[cis-4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 5 4-{[cis-4-(aminocarbonyl)cyclohexyl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[trans-4-(aminocarbonyl)cyclohexyl]amino}-N-[(1R)-1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[trans-4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-(4-
- 10 methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[trans-4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(1R)-1-phenylethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[trans-4-(aminocarbonyl)cyclohexyl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
- 4-{[(3S)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[(3S)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-\{[(3S)-1-(aminocarbonyl)pyrrolidin-3-yl]amino\}-N-[1-(3,4-dimethylphenyl)propyl]-1-(3,4-dimethylphenyl)propyll[-1-(3,4-dimethylphenylp$
- 20 ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[(3S)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - $4-\{[(3R)-1-(aminocarbonyl)pyrrolidin-3-yl]amino\}-N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide \\$
- 4-{[(3R)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[(3R)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-{[(3R)-1-(aminocarbonyl)pyrrolidin-3-yl]amino}-N-[(1R)-1-(4-bromophenyl)ethyl]-1-
- 30 ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

 - $\label{lem:condition} $$4-{[cis-3-(aminocarbonyl)cyclobutyl]amino}-N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide$
- 35 4-[(trans-4-acetylcyclohexyl)amino]-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-[(4-acetylcyclohexyl)amino]-N-[(1R)-1-(2,4-dimethylphenyl)propyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - 4-[(cis-4-acetylcyclohexyl)amino]-1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-
- 40 pyrazolo[3,4-b]pyridine-5-carboxamide
 - 1-ethyl-4-{[trans-3-hydroxycyclohexyl]amino}-N-[(1R)-1-(4-methylphenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

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N-[(1S)-1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-{[trans-3-hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

N-[(1R)-1-(2,4-dimethylphenyl)ethyl]-1-ethyl-4-{[trans-3-hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

- N-[(1R)-1-(4-bromophenyl)ethyl]-1-ethyl-4-{[trans-3-hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 N-[1-(3,4-dimethylphenyl)propyl]-1-ethyl-4-{[trans-3-hydroxycyclohexyl]amino}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 - N-[4-(dimethylamino)-1-(3-methylphenyl)-4-oxobutyl]-1-ethyl-4-(tetrahydro-2H-pyran-
- 4-ylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[4-(dimethylamino)-1-(3-methylphenyl)4-oxobutyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
 1-ethyl-N-[(1R)-1-(4-methylphenyl)ethyl]-4-(4-piperidinylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide hydrochloride, or
- N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-4-(4-piperidinylamino)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide hydrochloride;

as a compound or a salt thereof.

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- 25 333, 334, 335, 336, 337, 338, 339, 343, 344 or 345, as defined by the structures and/or names described herein, or a pharmaceutically acceptable salt thereof.
- 55. A compound or salt as claimed in any of claims 1 to 53, which is the compound or a pharmaceutically acceptable salt thereof.
 - 56. A compound or salt as claimed in any preceding claim, which is in a particle-size-reduced form, wherein the particle size of the size-reduced compound or salt is defined by a D50 value of about 0.5 to about 10 microns.

- 57. A compound or salt as claimed in any preceding claim, for use as an active therapeutic substance in a mammal.
- 58. A pharmaceutical composition comprising a compound of formula (I), as defined in any of claims 1 to 56, or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable carriers and/or excipients.

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- 59. A pharmaceutical composition as claimed in claim 58 which is suitable for inhaled administration to a human.
- A pharmaceutical composition as claimed in claim 58, for use in the treatment
 and/or prophylaxis of an inflammatory and/or allergic disease, cognitive impairment or depression in a mammal.
 - 61. The use of a compound of formula (I), as defined in any of claims 1 to 56, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment and/or prophylaxis of an inflammatory and/or allergic disease in a mammal.

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- 62. The use as claimed in claim 61, wherein the inflammatory and/or allergic disease is chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis or atopic dermatitis in a mammal.
- 63. The use of a compound of formula (I), as defined in any of claims 1 to 56, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment and/or prophylaxis of asthma, chronic obstructive pulmonary disease (COPD), atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic glomerulonephritis, endotoxic shock, adult respiratory distress syndrome, multiple sclerosis, cognitive impairment, depression, or pain, in a mammal.
- 25 64. A method of treatment and/or prophylaxis of an inflammatory and/or allergic disease, cognitive impairment or depression in a mammal in need thereof, which method comprises administering to the mammal a therapeutically effective amount of a compound of formula (I) as defined in any of claims 1 to 56 or a pharmaceutically acceptable salt thereof.
 - 65. A method as claimed in claim 64, which is a method of treatment and/or prophylaxis of an inflammatory and/or allergic disease in a mammal in need thereof, and wherein the inflammatory and/or allergic disease is chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis or atopic dermatitis in the mammal.
 - 66. A combination comprising a compound of formula (I), as defined in any of claims
 1 to 56, or a pharmaceutically acceptable salt thereof, together with a
 β₂-adrenoreceptor agonist, an anti-histamine, an anti-allergic, an anti-inflammatory agent,
 or a muscarinic (M) receptor antagonist.

67. A compound of formula (IB) or a salt thereof:

5 wherein:

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R^{1a} is C₂₋₃alkyl, C₂fluoroalkyl or -CH₂CH₂OH;

R^{2a} is a hydrogen atom (H) or methyl;

NHR^{3a} is of sub-formula (p14), in which the -NH- connection point of the NHR^{3a} group to the 4-position of the pyrazolopyridine of formula (IB) is underlined:

(p14)

R^{4aa} is methyl, ethyl, C₁ fluoroalkyl, -CH₂OH, or -CH₂OMe;

- R6Aa, R6Ba, R6Da, R6Ea and R6Fa, independently of each other, are: a hydrogen atom 15 (H), a fluorine, chlorine, bromine or iodine atom, methyl, ethyl, n-propyl, isopropyl, isobutyl, trifluoromethyl, -CH2OH, methoxy, ethoxy, n-propoxy, isopropoxy, C_1 fluoroalkoxy, nitro (-NO₂), OH, C_{1-3} alkylS(O)₂-, C_{1-2} alkylS(O)₂-NH-, -CONH₂, cyano (-CN), or C₁₋₂alkylS(O)₂-CH₂-; provided that two or more of R6Aa, R6Ba
- R6Da, R6Ea and R6Fa are a hydrogen atom (H); 20

and wherein, in Formula (IB), on a molarity basis, more than 50% of the compound or salt present has the stereochemistry shown at the carbon atom bearing the R^{4aa} group.

25 68. A compound or salt as claimed in claim 67, wherein:

R^{1a} is ethyl;

R^{2a} is H:

R^{4aa} is methyl or ethyl; and

R6Aa, R6Ba, R6Ba and R6Fa, independently of each other, are: a hydrogen atom

(H), a fluorine, chlorine or bromine atom, methyl, ethyl, n-propyl, isopropyl, 30 trifluoromethyl, -CH2OH, methoxy, ethoxy, n-propoxy, difluoromethoxy, OH or

- MeS(O)₂-; provided that three or more of R⁶Aa, R⁶Ba, R⁶Ba, R⁶Ea and R⁶Fa are a hydrogen atom (H).
- 69. A compound or salt as claimed in claim 67 or 68, wherein the NHR^{3a} group of sub-formula (p14) is in the *cis* configuration, i.e. is a [*cis*-4-(1-hydroxyethyl)cyclohexyl]amino group (including mixtures of configurations wherein the *cis* configuration is the major component).
- 70. A compound or salt as claimed in claim 67, 68 or 69, wherein, in Formula (IB), on a molarity basis, 70% or more of the compound or salt present has the stereochemistry shown at the carbon atom bearing the R^{4aa} group.
- 71. A compound or salt as claimed in claim 67, 68, 69 or 70, which is 4-{[cis-4-(1-hydroxyethyl)cyclohexyl]amino}-N-[1-(2,4-dimethylphenyl)propyl]-1-ethyl-15 1H-pyrazolo[3,4-b]pyridine-5-carboxamide or a salt thereof, having more than 50% by molarity in the (R)-stereochemistry at the benzylic carbon atom.